

FHWA Approvals of Patented and Proprietary Products

| TRACKING NUMBER | STATE      | BASIS OF PARTICIPATION                        | PRODUCT/MATERIAL   | PRODUCT CATEGORY         | EXTENT            | SUBMITTAL DATE | PARTICIPATION DATE | EXPIRATION DATE | COMMENTS  |
|-----------------|------------|---|--|--------------------------|-------------------|----------------|--------------------|-----------------|---|
|                 | California | Certification - Synchronization               | 10 street lights, wooden poles, overhead wire, mast arms, LED luminaires   | Lighting                 | Project Specific  | 7/1/2016       |                    | N/A             | District 08-RIV, PIF form did not include a project ID so participation date was left blank         |
|                 | California | Public Interest Finding                       | Intelligent transportation system (ITS) infrastructure, trailblazer signs, CCTV cameras, additional ITS device cabinets, conduits, a fiber optic network   | ITS Hardware or System   |                   | 5/26/2016      | 7/21/2011          | N/A             | District 04-ALA   |
|                 | California | Certification - Synchronization               | Video detection system, LED street name signs, accessible pedestrian signal system   | Traffic Signal Equipment | Project Specific  | 8/31/2016      |                    | N/A             | District 07-LA, PIF form did not include a project ID so participation date was left blank          |
|                 | California | Public Interest Finding                       | Post-top street lights   | Lighting                 |                   | 8/18/2016      |                    | N/A             | District 03-YOL, PIF form did not include a project ID so participation date was left blank         |
|                 | California | Certification - No equally suitable alternate | Rectangular Rapid Flashing Beacons (RRFB). Painting of high visibility crosswalks, miscellaneous concrete, ADA-compliant ramps   | ADA Compliance           | Project Specific  | 8/17/2016      | 1/20/2016          | N/A             | District 12-ORA   |
|                 | California | Public Interest Finding                       | Post-top street lights   | Lighting                 |                   | 8/14/2016      |                    | N/A             | District 03-YOL, PIF form did not include a project ID so participation date was left blank         |
|                 | California | Certification - No equally suitable alternate | m60 Series ATC traffic controller and SEPAC software   | Traffic Signal Equipment | Multiple Projects | 7/21/2016      |                    | 9/30/2019       | District 10-SJ, PIF form did not include a project ID so participation date was left blank          |
|                 | California | Public Interest Finding                       | 3 benches, 6' bench with back, in-ground mount, with slat back, black color  | Miscellaneous            |                   | 6/30/2016      | 7/26/2016          | N/A             | District 03-SAC   |
|                 | California | Certification - Synchronization               | Four lane roadway, provisions for medians, traffic signals, video detection systems, battery backup systems, hybrid 332 traffic signal cabinets, global positioning emergency and transit pre-emption systems, accessible pedestrian signal system, and an Ethernet over copper network, shoulders, separate bike lanes, | Miscellaneous            | Project Specific  | 7/5/2016       | 7/24/2014          | N/A             | District 04-SOL   |
|                 | California | Certification - Synchronization               | Irrigation system components and appurtenances to supply water   | Irrigation Systems       | Project Specific  | 9/7/2016       |                    | N/A             | District 05-West Broadway, PIF form included project ID but participation date was not yet recorded |
|                 | California | Certification - Synchronization               | Traffic signal software for new signal   | Traffic Signal Equipment | Project Specific  | 8/24/2016      |                    | N/A             | District 05-West Broadway, PIF form included project ID but participation date was not yet recorded |
|                 | California | Certification - No equally suitable alternate | Street lights  | Lighting                 | Project Specific  | 8/24/2016      |                    | N/A             | District 05-West Broadway, PIF form included project ID but participation date was not yet recorded |
|                 | California | Certification - Synchronization               | ADA guidelines upgrades of ramps, pedestrians push buttons, audible pedestrian signals, replacement of existing traffic signal detection, reestablishing bridge conforms, HMA overlay and restriping   | ADA Compliance           | Project Specific  | 9/15/2016      | 12/14/2015         | 12/31/2021      | District 04-MRN   |
|                 | California | Certification - Synchronization               | Washington post light 80W LED Luminaire, 15' high fluted round tapered steel pole  | Lighting                 | Project Specific  | 9/16/2016      |                    | N/A             | District 04-SF, PIF form did not include a project ID so participation date was left blank          |
|                 | California | Certification - Synchronization               | Integral color and sparkle finish  | Coating                  | Project Specific  | 9/16/2016      |                    | N/A             | District 04-SF, PIF form did not include a project ID so participation date was left blank          |
|                 | California | Certification - No equally suitable alternate | Crosswalk paving   | Miscellaneous            | Project Specific  | 9/16/2016      |                    | N/A             | District 04-SF, PIF form did not include a project ID so participation date was left blank          |
|                 | California | Certification - Synchronization               | Install street trees, install median trees, planting   | Landscaping              | Project Specific  | 9/16/2016      |                    | N/A             | District 04-SF, PIF form did not include a project ID so participation date was left blank          |
|                 | California | Certification - Synchronization               | Hot mix asphalt (sealer)   | Concrete - Sealant       | Project Specific  | 9/16/2016      |                    | N/A             | District 04-SF, PIF form did not include a project ID so participation date was left blank          |
|                 | California | Certification - Synchronization               | PVC piping, remote control valves and actuator, shrub bubbler, tree bubbler, valve boxes, backflow preventers, backflow device enclosure   | Irrigation Systems       | Project Specific  | 9/16/2016      |                    | N/A             | District 04-SF, PIF form did not include a project ID so participation date was left blank          |
|                 | California | Certification - Synchronization               | Gravel mulch-median  | Landscaping              | Project Specific  | 9/16/2016      |                    | N/A             | District 04-SF, PIF form did not include a project ID so participation date was left blank          |
|                 | California | Certification - Synchronization               | Traffic signals, pedestrian push buttons, hand-held wireless infrared programming device, transit signal priority equipment, wires and cables  | Traffic Signal Equipment | Project Specific  | 9/16/2016      |                    | N/A             | District 04-SF, PIF form did not include a project ID so participation date was left blank          |
|                 | California | Certification - Synchronization               | Unit paver maintenance strip- median   | Miscellaneous            | Project Specific  | 9/16/2016      |                    | N/A             | District 04-SF, PIF form did not include a project ID so participation date was left blank          |
|                 | California | Certification - Synchronization               | Video detection for traffic signals  | Traffic Control Device   | Project Specific  | 9/28/2016      | 2/18/2016          | N/A             | District 04-SM  |
|                 | California | Certification - Synchronization               | Installation of Polara EZ Communicator Navigator Accessible Pedestrian System (APS) in the new pedestrian push button assemblies   | Traffic Control Device   | Project Specific  | 9/28/2016      | 2/18/2016          | N/A             | District 04-SM  |
|                 | California | Certification - Synchronization               | McCain software for Model 170E Controller Assembly   | Traffic Control Device   | Project Specific  | 9/28/2016      | 2/18/2016          | N/A             | District 04-SM  |
|                 | California | Certification - Synchronization               | Speedcheck SC-15, Traffic Logix Safespace 600, or approved equal radar feedback signs  | Traffic Control Device   | Project Specific  | 9/28/2016      | 2/18/2016          | N/A             | District 04-SM  |
|                 | California | Certification - Synchronization               | Traffic signal controller cabinet and appurtenant equipment  | Traffic Signal Equipment | Project Specific  | 9/22/2016      |                    | N/A             | District 08-SBD, PIF form did not include a project ID so participation date was left blank         |
|                 | California | Certification - Synchronization               | Trash capture device   | Drainage                 | Project Specific  | 10/17/2016     | 6/11/2015          | N/A             | District 04-CND   |
|                 | California | Certification - Synchronization               | Add trafficware synchro green ASCT licences to existing traffic signal controllers   | Traffic Signal Equipment | Project Specific  | 10/3/2016      | 6/16/2015          | 2020            | District 06-FRE   |
|                 | California | Certification - Synchronization               | Add trafficware synchro green ASCT licences to existing traffic signal controllers   | Traffic Signal Equipment | Multiple Projects | 10/3/2016      | 6/16/2015          | 2020            | District 06-FRE   |
|                 | California | Certification - Synchronization               | Truncated dome, catch basin manhole frame and cover, rolled plate, post mounted signs, mast arm mounted non-illuminated street name signs  | Utilities-Other          | Project Specific  | 10/17/2016     | 3/14/2016          | N/A             | District 12-WTM   |
|                 | California | Certification - Synchronization               | Pedestrian indications for traffic signal installation   | Traffic Signal Equipment | Project Specific  | 10/13/2016     | 9/11/2014          | N/A             | District 08-SBD   |
|                 | California | Certification - Synchronization               | Vehicle signal indications for traffic signal installation   | Traffic Signal Equipment | Project Specific  | 10/13/2016     | 9/11/2014          | N/A             | District 08-SBD   |
|                 | California | Certification - Synchronization               | Pedestrian signal head for traffic signal installation   | Traffic Signal Equipment | Project Specific  | 10/13/2016     | 9/11/2014          | N/A             | District 08-SBD   |
|                 | California | Certification - Synchronization               | Traffic signal vehicle head with backing plates and visors   | Traffic Signal Equipment | Project Specific  | 10/13/2016     | 9/11/2014          | N/A             | District 08-SBD   |
|                 | California | Certification - Synchronization               | Intersection lighting  | Lighting                 | Project Specific  | 10/13/2016     | 9/11/2014          | N/A             | District 08-SBD   |
|                 | California | Certification - Synchronization               | Overhead reflective street name signs  | Traffic Signal Equipment | Project Specific  | 10/13/2016     | 9/11/2014          | N/A             | District 08-SBD   |
|                 | California | Certification - Synchronization               | Furnish a matched Opticom Priority Control System, including infrared detector, detector cable, discriminator card, card rack, auxiliary interface panel, emitter, and central management software   | Traffic Signal Equipment | Multiple Projects | 10/6/2016      |                    | 9/30/2020       | District 10-SJ, PIF form did not include a project ID so participation date was left blank          |
|                 | California | Certification - Synchronization               | Traffic signal controller and appurtenant equipment  | Traffic Control Device   | Project Specific  | 9/22/2016      | 9/11/2014          | N/A             | District 08-SBD   |
|                 | California | Certification - No equally suitable alternate | Video camera, wireless network, and video server designed to monitor public spaces   | Miscellaneous            | Project Specific  | 11/16/2016     |                    | N/A             | District 04-EC, Project ID did not provide participation date                                       |
|                 | California | Certification - Synchronization               | Furnish and install light system/electrical  | Lighting                 | Multiple Projects | 11/15/2016     | 8/26/2016          | N/A             | District 06-KERN  |
|                 | California | Certification - No equally suitable alternate | Furnish and install Naztec Model 2070E Controller Assembly with Apogee Software  | Computer - Software      | Project Specific  | 11/10/2016     |                    | N/A             | District 04-OAK, Project ID did not provide participation date                                      |
|                 | California | Certification - Synchronization               | Install proprietary traffic signal equipment; traffic signal controller, street light, video detection   | Traffic Signal Equipment | Project Specific  | 11/7/2016      |                    | N/A             | District 07-LA, Project ID did not provide participation date                                       |
|                 | California | Certification - Synchronization               | Irrigation valves, bubblers, couplers, regulators, controller, sensors, and backflow preventer cage  | Irrigation Systems       | Project Specific  | 11/7/2016      |                    | N/A             | District 07-LA, Project ID did not provide participation date                                       |
|                 | California | Certification - No equally suitable alternate | Installation of Traffic Signal controller and appurtenant equipment for traffic signal installation project  | Traffic Signal Equipment | Project Specific  | 11/1/2016      | 9/11/2014          | N/A             | District 08-ONT   |
|                 | California | Certification - Synchronization               | Installation of Traffic Signal controller and appurtenant equipment for traffic signal installation project  | Traffic Signal Equipment | Project Specific  | 11/1/2016      |                    | N/A             | District 08- FNA, Project ID did not provide participation date                                     |
|                 | California | Certification - Synchronization               | Installation of 10 street lights, including wooden poles, overhead wire, mast arms, and LED luminaires   | Lighting                 | Project Specific  | 7/1/2016       | 1/28/2014          | N/A             | District 08-RIV   |
|                 | California | Certification - Synchronization               | Install Intelligent Transportation System (ITS) infrastructure to support implementation of a traffic operation management system  | ITS Hardware or System   | Project Specific  | 10/25/2016     | 2/7/2014           | N/A             | District 04-SCL   |